

SIMPLIFIED PIPELINE WRITES OVER A NETWORK

ABSTRACT OF DISCLOSURE

[0037] A system and method are provided for efficiently writing data from one bus device to another bus device across a network. Data packets to be transmitted are ordered and assigned sequence numbers and expected sequence numbers. The expected sequence number of a data packet corresponds to the sequence number of the data packet immediately prior to the current data packet. When a data packet arrives at the receiving bus, its expected sequence number is compared against the sequence numbers of the previous data packets received. If the previously-received data packet bears the sequence number corresponding to the expected sequence number of the newly arrived data packet, the newly arrived data is stored, and an acknowledgement is sent. If a match cannot be found then a retry request message is sent.

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